

## HERBOLD Guillotine Cutter HGS

A preliminary step is required for the preparation of raw materials in large chunk form or materials pressed into bales. The manual pre-cutting of bulky containers is very labor intensive and there is a risk of accidents. It is recommended to automate the process to improve performance and also limit the risk of injury.

The HERBOLD guillotine cutter was developed for the preparation of compacted bale of fibres, tapes, multifilaments, netting, sheeting and large plastic fragments or rubber bales.

The Guillotine consists of a welded frame and a blade that moves vertically dropped onto a stator knife. The material below the splitter blade is broken into small portions by the cutting pressure.

### The benefits are in the detail:

- HERBOLD guillotines are particularly strong and torsion resistant.
- The cutting actions of the splitting blade can be precisely set. This ensures very good separation of the material sections even with fine fibres and tapes and prevents the cutting blade penetrating the stator. The result: long life time of the cutting blade.
- The lifting height of the cutting blade is continuously adjustable. The cutter can thus be adapted to the material properties. Time-wasting empty lifts are thus avoided and the cutting performance improved.
- Safety housings on all sides of the cutting blade ensure safety without limiting access for servicing work.
- The hydraulics are standard and equipped with a low-noise vane pump. If desired, it can also be delivered with variable capacity pump set for specific materials.
- Double cylinder provision prevents the cutting blade tilting. The hanging fitting of the cylinders (from type 1500/1000) allows for a low construction height.

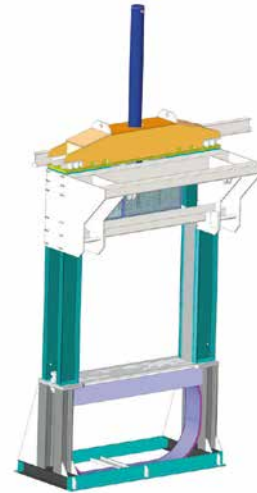


Fig. 1: Guillotine cutter HGS 150 with EWS hydraulic ram



Fig. 2: Cutting the material portions lying under the cutting blade



**Step 1:** Feed in of material is done via fork-lift truck

**Step 2:** HERBOLD guillotine cutter splits by cutting pressure

**Step 3:** Material portions are transferred for further shredding



**Fig. 3:** Combination of guillotine and granulator with supply bunker

Safe handling of rolls that do not roll off, uncomplicated feed of cut sheeting parcels into the supply bunker of the granulator.

### Technical Specifications:

Type	Lift height	Blade width	Cutting strength Standard*	Power requirement	Lift number Vanepump	Lift number Variable capacity pump	Weight Main appliance
HGS 75/60	600 mm	750 mm	20 t	11 kW	3 / min		1200 kg
HGS 150/100	1000 mm	1500 mm	20 t (200 bar)	22-45 kW	3 / min	5-6 / min	4500 kg
HGS 200/200	2000 mm	2000 mm	20 t (200 bar)	37-55 kW	3 / min	5-6 / min	11000 kg

\* cutting strength max. 50 t

Technical changes are possible

### Our Product Range

#### Size Reduction

- › Shredder
- › Granulators
- › Pulverizing Systems

#### Washing / Separation Systems & Components

- › Pre-washing Units
- › Friction Washers
- › Separation Tanks and Hydrocyclones
- › Mechanical and Thermal Drying
- › Water Processing

#### Agglomeration

- › Plastcompactors

#### Service

- › Parts and Overhauls
- › Inspections and Trouble Shooting
- › Upgrades and Performance Service

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Specifications are not binding and subject to change without notice. 10 / 2019